U.S. Department of Commerce Patent and Trademark Office

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use several sheets if necessary)

ATTY. DOCKET NO.

SERIAL NO.

566.30812VC2

Not Yet Assigne

APPLICANT H. OGAWA et al.

FILING DATE **Even Date Herewith** GROUP 2651 3729 (Anticipated)

U.S. PATENT DOCUMENTS

EXAMINER INITIAL			DOCL	MENT N	UMBER			DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
XII	3	5	4	6	5	3	9	12/70	Wilcox, Jr., et al.	174	265	
1	4	0	3	5	0	4	6	07/77	Kloth	174	52.4	
	4	4	7	9	1	5	4	10/84	Muramatsu			·
1	4	5	7	3	7	5	3	03/86	Vogl	439	65	
	4	6	3	9	8	6	3	01/87	Harrison et al.			
	4	9	0	8	7	1	5	03/90	Krum et al.	360	97.02	
	4	9	7	9	0	6	2	12/90	Stefansky et al.	360	97.02	05/29/87
	5	0	2	3	6	1	5	06/91	Yamada et al.			02/20/90
1	5	1	7	7	6	7_	1	01/93	Atoh	174	52.4	01/23/90
w	5	2	6	4	9	7	5	11/93	Bajorek et al.			09/19/89

FOREIGN PATENT DOCUMENTS

	<u> </u>			DOCL	IMENT N	UMBER			DATE	COUNTRY	CLASS	SUBCLASS	TRANSLA	TION
													YES	NO
W	5	7-	1	5	8	0	6	4	09/82	Japan			Abstract	
1			5	8-	3	1	1	4	01/83	Japan			Abstract	
		5	8-	7	0	5	6	5	04/83	Japan			Abstract	
	5	8-	9	4	1	8	9	U	06/83	Japan				No
		5	9-	1	6	3	4	8	01/84	Japan			Abstract	
Ku	5	9-	1	1	6	9	6	5	07/84	Japan			Abstract	

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

Elv	D. Smith, "High-Powered Intelligent Disk Controller offers Multiple Modes", Midcon/86 Conference Record, pp. 8/1/1-5, paper presented at Midcon/86, Dallas, TX, September 9-11, 1986.
	·

EXAMINER

DATE CONSIDERED
10/23/02

EXAMINER: Initial if citation is considered, draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

U.S. Department of Commerce Patent and Trademark Office

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use several sheets if necessary)

ATTY. DOCKET NO.

SERIAL NO.

566.30812VC2

H. OGAWA et al.

FILING DATE

Even Date Herewith

GROUP 265 200

Not Yet Assign

U.S. PATENT DOCUMENTS

EXAMINER INITIAL				DOCU	MENT N	JMBER			DATE	NAME		CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
				ļ	<u> </u>	-								
				<u> </u>										
	<u> </u>												-	
	<u> </u>													
			-											
						-		-	l					
		<u> </u>	-		 -		<u> </u>	 						
			<u> </u>	↓			<u> </u>	ļ						

FOREIGN PATENT DOCUMENTS

					DOCL	MENT N	UMBER			DATE	COUNTRY	CLASS	SUBCLASS	TRANSLA	rion
										_				YES	NO
19	V	5	9-	1	4	4	1	5	5	08/84	Japan			Abstract	
		6	0-	3	8	4	8	5	U	03/85	Japan				х
\exists		6	0-	4	6	6	8	0	U	04/85	Japan				x
\neg		6	0-	5	5	0	8	9	U	04/85	Japan				x
		6	0-	1	3	3	7	4	4	07/85	Japan			Abstract	
w	60	-	1	5	9	5	9	6	U	10/85	Japan				х

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

av	D. Smith, "The M212A Zero-Glue Single-Chip VLSI Winchester Controller with On-Board 10 MIPS Processor", Wescon/86 Conference Record, pp. 26/5/1-5, paper presented at Wescon/86, Anaheim, CA, November 18-20, 1986 (abstract only, INSPEC Abstract Number: B88000805, C88002181).

EXAMINER

DATE CONSIDERED

EXAMINER: Initial if citation/is considered, draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

U.S. Department of Commerce Patent and Trademark Office

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use several sheets if necessary)

ATTY. DOCKET NO.

SERIAL NO.

566.30812VC2

Not Yet Assigned

APPLICANT

H. OGAWA et al.

FILING DATE **Even Date Herewith**

GROUP Z (S/ U)

U.S. PATENT DOCUMENTS

EXAMINER INITIAL			DOCU	MENT N	UMBER		DATE	N	AME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
				-				, , , , , , , , , , , , , , , , , , ,				
			- 1.:		-							
		 		<u>·</u>								
									4			
		-								<u> </u>		
	_			 -								
			<u> </u>	<u> </u>	-	 _	<u> </u>				<u> </u>	1
						1						

FOREIGN PATENT DOCUMENTS

					DOCU	MENT N	UMBER			DATE	COUNTRY	CLASS	SUBCLASS	TRANSLA	TION
														YES	NO
K	kw 6			6	1-	2	5	1	U	01/86	Japan				х
		6	1-	7	9	8	9	0	U	05/86	Japan				х
\exists	61	-	1	7	3	1	4	4	U	10/86	Japan				х
T			6	2-	5	2	9	5	5	03/87	Japan			Abstract	
\top			6	2-	6	0	1	8	1	03/87	Japan			Abstract	
ta	ι 62	-	1	0	1	1	6	0	U	06/87	Japan				х

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

 	 	 	-	 	 	

EXAMINEB

DATE CONSIDERED

EXAMINER: Initial if citation is considered, draw line through citation if not in conformance and not considered.

Include copy of this form with nekt communication to applicant.

U.S. Department of Commerce Patent and Trademark Office

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use several sheets if necessary)

ATTY. DOCKET NO.

SERIAL NO.

566.30812VC2

Not Yet Assigned

APPLICANT

H. OGAWA et al.

FILING DATE **Even Date Herewith** GROUP 2651 3729 (Anticipated)

U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCU	MENT NI	JMBER		DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	_					-				
·- ···										

· <u></u>										
·										
· <u>.</u>										

FOREIGN PATENT DOCUMENTS

						DOCL	MENT N	UMBER			DATE	COUNTRY	CLASS	SUBCLASS	TRANSLA	TION
															YES	NO
g	/ (62	-	1	6	1	3	9	8	U	10/87	Japan				×
	7		6	2-	2	5	6	2	9	5	11/87	Japan			Abstract	
			6	2-	2	7	0	0	8	9	11/87	Japan			Abstract	
			6	3-	1	0	6	0	3	5	05/88	Japan			Abstract	
				1-	6	1	8	5	5	U	04/89	Japan				х
(a			1-	1	1	2	5	8	6	05/89	Japan			Abstract	

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

EXAMINER

DATE CONSIDERED

EXAMINER: Initial if citation is considered, draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

U.S. Department of Commerce Patent and Trademark Office

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use several sheets if necessary)

ATTY. DOCKET NO.

SERIAL NO.

566.30812VC2

Not Yet Assigned

APPLICANT

H. OGAWA et al.

FILING DATE

Even Date Herewith

GROUP

3729 (Anticipated

U.S. PATENT DOCUMENTS

EXAMINER INITIAL			DOCU	MENT NI	JMBER			DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE	
												1	
		 							<u> </u>		l		
								-					
	_											- 111	
						-			4				
		L	<u></u>	<u> </u>	<u> </u>	L	<u> </u>		<u> </u>			<u></u>	

FOREIGN PATENT DOCUMENTS

	DOCUMENT NUMBER								DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION		
													YES	NO	
ew		1-	7	2	6	2	9	U	05/89	Japan				×	
7		1-	1	8	9	0	9	1	07/89	Japan			Abstract		
		8	9/	0	8	3	1	3	09/89	PCT Int'l Appl.					
1		1-	2	9	2	8	4	5	11/89	Japan			Abstract		
			2-	6	8	7	1	0	03/90	Japan			Abstract		
pa		2- 7 1 4 7 0			03/90	Japan			Abstract						

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

1	
- 1	
1	

EXAMINER

DATE CONSIDERED

EXAMINER: Initial if citation is considered, draw line through citation if not in conformance and not considered. Include copy of this form with fext communication to applicant.

(Rev. 4/92)

FORM PTO-1449 U.S. Department of Commerce Patent and Trademark Office

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use several sheets if necessary)

ATTY. DOCKET NO.

SERIAL NO.

566.30812VC2

Not Yet Assigned

APPLICANT

H. OGAWA et al.

FILING DATE **Even Date Herewith**

GROUP 765 3729 (Anticipated

U.S. PATENT DOCUMENTS

EXAMINER INITIAL		 DOCU	MENT N	JMBER		DATE	NAM	Ξ	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
							. -				-
-											

FOREIGN PATENT DOCUMENTS

						DOCL	MENT N	UMBER			DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION		
		l													YES	NO	
ja	/	2	-	1	1	0	3	5	2	U	09/90	Japan				х	
<u>—</u> ا				2-	2	6	3	3	8	2	10/90	Japan		•••••	Abstract		
\mathcal{T}				2-	3	0	2	9	7	4	12/90	Japan			Abstract		
T					3-	3	0	0	0	7	02/91	Japan			Abstract		
				3-	1	0	8	1	7	8	05/91	Japan				х	
a	/				4-	4	4	6	8	9	02/92	Japan			Abstract		

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

			 - •		 		 	 	_
ļ						 		 	_
						 		 	_
		_							
	_								

EXAMINE

DATE CONSIDERED,

10/23/00

EXAMINER: Initial if citation is considered, draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

U.S. Department of Commerce Patent and Trademark Office

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use several sheets if necessary)

ATTY. DOCKET NO.

SERIAL NO.

566.30812VC2

Not Yet Assigned

1.5582 1.2582

APPLICANT

H. OGAWA et al.

FILING DATE
Even Date Herewith

GROUP 265/ 523 3729 (Anticipated)

U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCU	MENT N	JMBER		DATE	NAI	ME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
											····
										·	
				_							

FOREIGN PATENT DOCUMENTS

			DOCL	MENT N	UMBER			DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION		
	ŀ						_					YES	NO	
100		5-	7	4	1	0	8	03/93	Japan			Abstract		
(gV		5-	6	5	9	5	7	09/93	Japan				х	
V														
						1								

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

			_		 		 	 	 	
				·						
			·							
 <u> </u>	-			$\overline{}$	 	 	 			

EXAMINER

DATE CONSIDERED

EXAMINER: Initial if citation is considered, draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.